ELSEVIER

Talanta 57 (2002) 1229–1232

Talanta

www.elsevier.com/locate/talanta

Author Index

Volume 57 (2002)

Abbaspour, A., 807, 859
Abdollahi, H., 1067
Acharya, S., 1075
Ackerman, L.K., 1161
Adams, F., 417
Agrawal, Y.K., 97
Akama, Y., 681
Akcin, G., 23
Alañón Molina, A., 795
Alañón Pardo, M.T., 795
Alcázar, A., 45
Ali, A., 945
Alipázaga, M.V., 375
Alonso-Rodríguez, E., 741
Alvarez, M.B., 277
An, C.-c., 467
An, D., 481
Andersen, R.A., 707
Andreescu, S., 169
Andreu, Y., 343
Anfossi, L., 203
Anthemidis, A.N., 15, 919
Arias, J.J., 223
Atabati, M., 785
Atakol, O., 813
Atkinson, D.A., 123
Ayoub, A.S., 405
Azimi, G.H., 1067

Baeyens, W.R.G., 993
Baggiani, C., 203
Baramakeh, L., 807
Barbosa, F., Jr., 177
Başgut, Ö., 813
Basta, N.T., 383
Batistoni, D.A., 277
Beckett, E.L., 243
Bentouhami, E., 545
Bermejo-Barrera, A., 969
Bermejo-Barrera, P., 969
Bernhard, G., 999
Bertotti, M., 375
Berzas, J.J., 333
Bettas, P.G., 919
Blanco, D., 223
Boeykens, S., 1113
Bonadeo, H., 1113
Borková, M., 1133
Bouet, G.M., 545
Brereton, R.G., 721
Bubner, M., 999
Bueno, M., 31
Bystol, A.J., 1101

Cabredo-Pinillos, S., 555
Cai, W.-J., 69
Cai, Y., 1173
Campiglia, A.D., 1101
Capdevila, M., 1011
Carazeanu, I., 617
Casals, I., 1019
Castañeda, G., 333
Castillo, J.R., 343
Cavalheiro, E.T.G., 909
Cedrón-Fernández, T., 555
Cha, G.S., 263
Cha, K.-W., 675
Chang, W.-B., 1205
Chang, X., 253
Chantooni, M.K., Jr, 869
Chatterjee, S., 461
Chen, D.-y., 467
Chen, G., 831
Chen, H., 307
Chen, L.-X., 1181
Chen, X.-G., 693
Chen, X.-L., 453
Chen, Z., 953
Chen, Z.-l., 467
Chirila, E., 617
Choppin, G.R., 999
Chulia, D., 583
Clarisse, O., 145
Claro-Neto, S., 909
Cîntă Pînzaru, S., 625
Coichev, N., 375
Compañó, R., 1019
Compton, R.G., 243, 1045
Correia, P.R.M., 527
Corujedo, S., 223
Cowell, D.C., 565
Csóka, H., 935
Cucca, L., 929

Davis, J., 243, 1045
Díaz, T.G., 1
De Marco, R., 115
de Marcos, S., 343
de Oliveira, E., 527
Deng, Y., 307
Dey, R.K., 1075
Diamond, D., 1119
Dinesh, N.D., 757
Dion, H.M., 1161
Djingova, R., 821
Dočekalová, H., 145
Dong, L.-J., 693
Du, D., 687
Du, J., 661
Du, J.X., 53
Durmuş, Z., 813
Dzherayan, T.G., 7

Economou, A., 575
Ensafi, A.A., 785
Erk, M., 1211
Escarpa, A., 1189
Esmaeilbeig, A.R., 859

Fan, B., 297, 641

PII: S0039-9140(02)00303-X

Fan, Y., 81
Fang, G., 1155
Farkas, E., 935
Fatibello-Filho, O., 135
Feng, F., 481
Foley, R., 1143
Frache, R., 1053
Fraga, J.M.G., 223

Galbán, J., 343
Gama, S., 935
Gao, J., 105
Gao, M., 365
Gao, Q., 81
García-Alonso, S., 773
García-García, M.A., 985
Geckeler, K.E., 7
Georgescu, M., 617
Giraudi, G., 203
Gong, B., 89
Gong, Y.-x., 467
González, A.G., 45
Gonzalez, J., 425
González, M.C., 1189
González-Duarte, P., 1011
Górnicka, E., 609
Goto, M., 481
Greenway, G.M., 511
Grotti, M., 1053
Grudpan, K., 187
Guilbault, G.G., 501
Guo, X.-Q., 883
Guo, Y., 1155
Guo, Z.-Q., 1205
Guowang, X., 1093
Gupta, V.K., 461

Ha, J., 263
Han, T.-S., 271
Hart, J.P., 565
Hartwell, S.K., 187
Hawkins, D.M., 565
He, G.-F., 317
He, X.-W., 1181
Heise, K.H., 999
Hill, H.H., Jr., 123, 1161
Hiraide, M., 653
Hoenig, M., 157
Honeychurch, K.C., 565
Hou, H., 81
Hou, S., 59
Hu, Q., 751
Hu, Z., 297, 641
Hu, Z.-D., 693
Huang, Y., 953
Hugo Seymour, E., 243
Hurtubise, R.J., 193

Ianni, C., 1053
Ikebukuro, K., 271
Itoh, S., 653
Ivanković, D., 1211
Ivanova, J., 821

Jaefarifar, D., 1067
Jakmunee, J., 187
Jayasvasti, S., 187
Jenne, V., 157
Jeon, B.K., 701
Jia, R.-P., 693
Jiang, G., 1173
Jianhui, X., 1093
Jiménez, A.I., 223
Jiménez, F., 223
Jin, J., 365
Jin, L., 365
Jitmanee, K., 187
Joannon, S., 393
Jouannin, P., 583
Jyo, A., 869

Kageyama, T., 653
Kamilova, P.M., 7
Kamyabi, M.A., 859
Kang, J., 105
Karimi, M.A., 491
Karube, I., 271
Kauffmann, J.-M., 601
Khan, M.A., 545
Khayamian, T., 785
Kia, R., 859
Kiefer, W., 625
Kılıç, E., 813
Kim, C.S., 701
Kim, D.W., 701
Kim, I.T., 263
Kim, S.-I.I., 675
Kissinger, P.T., 601
Kitayama, A., 271
Kocaoba, S., 23
Kolthoff, I.M., 869
Komínková, J., 1133
Koplík, R., 1133
Kosminsky, L., 375
Kougoulis, J.-S., 15
Krug, F.J., 177
Kupka, K., 721
Kuznetsova, V.V., 841
Kwak, T.H., 263

Lawrence, N.S., 243
Lee, N.S., 701
Leopold, N., 625
Lespes, G., 31
Li, B., 765
Li, D., 1085
Li, H.-D., 875
Li, J.J., 53
Li, N., 831
Li, Q., 105
Li, Q.-F., 693
Li, Y., 661, 1143
Li, Y.-Z., 1205
Liang, D., 253
Liao, W., 1085
Lima, É.C., 177
Liu, H., 425
Liu, J., 1173
Liu, M., 297, 641
Liu, S.-Y., 69
Liu, X., 105
Liu, Y., 1155
Loan, M., 115
Łobiński, R., 1011
López-Mahía, P., 741
Low, G.K.C., 1143
Lu, H., 81
Lu, J., 661
Lu, J.R., 53
Lu, Y.-J., 891
Luis, M.L., 223
Lupetti, K.O., 135

Ma, C.-L., 875
Ma, H., 467
Madariaga, J.M., 849
Made Gowda, N.M., 757
Magearu, V., 169
Mahedero, M.C., 1
Malla, M.E., 277
Maniasso, N., 475
Mao, S.S., 425
Mao, X., 425
Marcó, A., 1019
Marlow, M., 193
Martín, M., 45
Marty, J.-L., 169
Matz, L.M., 123
McGaw, B.A., 405
McMahon, G., 1119
Meguro, Y., 213
Meloun, M., 721
Mench, M., 31
Mendes, R.K., 909
Meng, S., 1155
Mestek, O., 1133
Midwood, A.J., 405
Militký, J., 721
Monser, L., 511
Morales, M.D., 1189

Morante, S., 1189
Moreda-Piñeiro, A., 969
Motomizu, S., 355
Muniategui-Lorenzo, S., 741
Muñoz, E., 985
Murillo Pulgarín, J.A., 795
Murty, D.S.R., 1029

Nagamune, T., 271
Nagaraja, P., 757
Nakajima, A., 537
Nam, H., 263
Nedosekin, D.A., 841
Nei, L., 1045
Nève, J., 595
Noguer, T., 169
Nolan, K., 1119

Ogoh, M., 653
Ohashi, K., 213
Olazabal, M.A., 849
Oliveira, P.V., 527
Olness, A., 383
Olsvik, P.A., 707
O'Regan, T.M., 501
Oshima, M., 355
Ostra, M., 343
O'Sullivan, C.K., 501
Ougiyanagi, J., 213

Pablos, F., 45
Palacios, Ó., 1011
Palmero, S., 985
Park, B., 263
Pascual, S.G., 1
Pavičić, J., 1211
Pejcic, B., 115
Pérez-Pastor, R.M., 773
Pesavento, M., 929
Pillai, A., 461
Pin, C., 393
Pingarrón, J.M., 1189
Pinilla, M.J., 333
Połeć Pawlak, K., 1011
Pontier, C., 583
Potin-Gautier, M., 31
Prada-Rodríguez, D., 741
Pradhan, N.K., 1143
Pravda, M., 501
Profumo, A., 929
Proskurnin, M.A., 841
Pudun, Z., 1093

Queiroz, Z.F., 475
Quejido-Cabezas, A.J., 773

Raczyńska, E.D., 609
Radhamani, R., 1029
Rama Mohan, K., 233
Ramadoss, K., 1029
Ramesh, A., 233
Rangappa, K.S., 757
Rao, G.N., 633
Rao, Z., 993
Raposo, J.C., 849
Raspor, B., 1211
Ray, A.R., 1075
Ren, J., 105
Reviejo, A.J., 1189
Riggle, J., 519
Rinke, J., 383
Rubio, R., 1019
Russo, R.E., 425
Ruzicka, J., 187
Ryu, H.I., 701

Sachs, S., 999
Sadok, S., 511
Sáenz-Barrio, C., 555
Safavi, A., 491
Sali, A., 681
Salomon, S., 145, 157
Samal, S., 1075
Santos, M.A., 935
Sanz, J., 849
Sanz-Vicente, I., 555
Sasaki, S., 271
Sato, H., 667
Schmeide, K., 999
Şehitoğullari, A., 1039
Seshaiah, K., 233
Shah, I., 511
Shang, Q., 1085
Shen, Z., 289
Shkinev, V.M., 7
Shpigun, L.K., 7
Shukla, R., 633
Siems, W.F., 123
Simon, J., 355
Simon, S., 31
Song, F., 263
Song, Z., 59
Spini, G., 929
Steiner, W.E., 123
Stirling, D., 1045
Stratis, J.A., 15, 919
Su, Q., 253
Suchánek, M., 1133
Sudhakar, S., 97
Sun, X.-D., 875
Sun, Y., 899

Tang, B., 899
Tavares, A., 177
Themelis, D.G., 575
Theodoridis, G., 575
Tornatore, P.S., 123
Tozzi, C., 203
Tsuchiya, M., 667
Tunçeli, A., 1199
Türker, A.R., 1199
Tzanavaras, P.D., 575

Ubide, C., 343
Uglow, R.F., 511
Umashankar, V., 1029
Uno, B., 481
Uslan, A.H., 1039

Valcárcel, M., 415
Van't dack, L., 417
Vaughan, D.H., 1045
Vázquez, C., 1113
Viana, M., 583
Vicente, S., 475
Vieira, I.C., 135
Villa-Lojo, M.C., 741
von Wandruszka, R., 519
Vosters, O., 595

Wall, R., 1119
Wang, B., 253
Wang, C., 1181
Wang, H.Y., 899
Wang, L., 365
Wang, R.-y., 467
Wang, S.-f., 687
Wang, Y., 69, 641
Wang, Y.-D., 875
Wang, Z.A., 69
Wartel, M., 145
Wei, L., 453
Wei, X., 253
Wei, Y., 355
Whitcomb, J.L., 1101
Wilcox, M., 115
Wilhelmsen, T.W., 707
Wu, C., 123
Wu, X.-H., 875

Xu, C., 765
Xu, F., 365
Xu, H., 323
Xu, J.-G., 453
Xue, H., 289

Yan, Z., 81
Yang, G., 751
Yang, H., 105
Yang, H.-H., 453
Yang, X.-F., 883

Yano, K., 271
Yao, X., 297, 641
Yao, Y., 751
Ye, Y., 945
Yin, J., 751
Yin, X., 945
Yokoyama, Y., 667
Yoshida, Z., 213
Yu, G., 1085
Yu, J.C., 323
Yufang, Z., 1093
Yukui, Z., 1093

Zachariadis, G.A., 15, 919
Zagatto, E.A.G., 475
Zhang, B., 323
Zhang, C.-y., 467
Zhang, H., 317
Zhang, R., 297, 641
Zhang, X., 297, 641, 993
Zhang, X.-X., 1205
Zhang, Z., 481, 765
Zhang, Z.-Q., 317
Zhao, L., 765
Zhao, M.-P., 1205
Zhao, Y.-B., 883
Zhu, Q.-Z., 453
Zhu, X.-H., 891
Zolgharnein, J., 1067
Zou, Q.-C., 687
Zuloaga, O., 849
Zuo, Y., 307

ELSEVIER

Talanta 57 (2002) 1233–1237

Talanta

www.elsevier.com/locate/talanta

Subject Index

Volume 57 (2002)

AAS 945
Acetaldehyde 375
Acetylcholinesterase 169
Acid-base equilibrium 849
Acrylamide coated capillaries 707
Adsorptive cathodic stripping voltammetry 675
Agarose constrained gel probe 145
Agglutination reaction 203
Aggregation 1085
Air 1143
Al^{3+} 693
Aliphatic amines 813
Alizarin Red S 807
Alkali and alkaline earth metal 81
AM1 and PM3 computations 609
Amberlite XAD-16 1199
Amberlite XAD-4 resin 233
Ambient air 773
Amines 481
Ammonia 813
Ammonium acetate 1053
Amperometric detection 375
Amperometry 501
Anaerobiosis 383
Analyte pulse perturbation 105
Analytical derivatization reagent 481
Aniline 243
Animal feed 1019
Anions 145
Anthraquinone-2-sulfonyl chloride 481
Antioxidant 595
Aqueous two-phase system 681
Aromatic amines 243
Arsenazo-DBC 693
Arsenic acid 849
Arsenic speciation 741
Artificial neural network 1181
Association constants 193
Atmosphere 323, 355
Atomic absorption 277
Atomic absorption spectrometry 15, 919, 969
Bead injection 187
Beer 45
Belousov–Zhabotinsky reaction 841
Benzoic acid 1189
Betulinic acid 625
Bienzymic biosensor 365
Bilirubin 343
Bilirubin-oxidase 343
BINPHT 675
Biological fluid 795
Biological fluids 953
Biological materials 177
Biosensor 1039
Biosensor for phenols 289
Birch bark 625
Bismuth 253
Bisphenol A 1205
Black tea 307
Boiling point 297
Bromide determination 841
Bromocresol green 757, 869

Cadmium 277, 751
Caffeine 307
Calibration 425
Calibration precision 721
Calix[4]arene 1119
Calixarenes 1181
Capillary electrophoresis 193, 467, 1011, 1093
Capillary zone electrophoresis 707
Captopril determination 575
Carbonate selectivity 263
Carbon-13 labeling 999
Catalyzed fluorogenic reaction 453
Catechins 307
Catechol 243, 909
Cation-selective electrode 81
^{13}C-CP/MAS-NMR spectroscopy 999
Cd 405
Cerium(IV) 953
Characterisation 583
Chelating agent 935

PII: S0039-9140(02)00304-1

Chelating resin 277
Chelating resins 1075
Chemically-modified 343
Chemical oscillatory reactions 841
Chemiluminescence 59, 661, 953, 993
Chemiluminescence (CL) 491
Chemiluminescent inhibition 831
Chemiluminscence 765
Chemometric analysis 773
Chemometrics 45
Chlorpromazine hydrochloride 953
Chromatomembrane cell 355
Chromium 15, 23, 1199
Chromosorb 105 1173
Chromoxane cyanine R 757
Circular dichroism 467
Classification of polymers 1113
Clobazam 333
Clorazepate 333
Cobalt 945, 1173
Collection efficiency 323
Combustion method 1019
Competitive ELISA 1205
Complexation 97, 1143
Composite biosensor 1189
Composite electrode material 909
Concentration 89
Conductance slope 519
Conductometric titration 519
Conformational preferences in solution 609
Continuous flow analysis 115
Continuous flow system 985
Controlled-pore silica 135
Copper 177, 565
Copper–molybdenum 785
Coprecipitation 1029
β-correction 807
18-Crown-6 869
Cu(III) 375
Cyanex 923 1085
L-cysteine 687
Cytisine 609

Derivative spectroscopy 1
Derivatization conditions 481
Determination of cobalt 7
Determination of proteins 693
D-glucose 1029
Dibromo-*p*-methyl-carboxysulfonazo 1155
1,3-Dichloro-5,5-dimethylhydantoin 993
Differential pulse cathodic stripping voltammetry 323
Differential pulse stripping voltammetry 565
Dihydro-bispyrazolyl-borate 633
Diode array detection 1119
1,5-Diphenylcarbazone 1199
Disposable 169
Distribution constant 213
Diuretics 223
DNA 193
DNPH 317
Dodecylbenzenesulfonic acid 891
Dopamine 899
Drug 795
Dual-wavelength spectrophotometery 807
Dynamic reaction cell 1143

EAM-UV-Vis detector 555
Electrochemical quantification 1211
Electrochemistry 243
Electrogenerated chemiluminescence 53
Electroosmotic mobility 1093
Electrophoretic mobility 519
Electropolymerization 289
Electrospray ionization 1161
Electrospray mass spectrometry 1011
Electrothermal atomic absorption spectrometry 177, 527
Elution chromatography 701
Emf titration 849
Emissions 929
Emulsion 653
Enrichment 253
Environmental samples 157, 461
Enzymatic hydrolysis 969
Epinephrine 687
ESR 537
Extraction 31, 97, 1085
Extraction constant 213
Extraction equilibrium 213
Extraction of chromium(VI) 681

Ferricyanide 909
Ferroin catalysed 841
Fiber optic-based sensor 69
FI on-line preconcentration 945
Fish 741
Flame atomic absorption spectrometry 1199
Flavonoids 307
Flow analysis 475
Flow-injection 993
Flow injection 7, 53, 187, 511, 661
Flow injection analysis 831
Flow-injection analysis 953
Flow injection analysis 271, 375
Flow-injection analysis 59
Flow injection analysis 135
Flow injection preconcentration 15, 919
Flow-through sensor 765
Flunitrazepam 333
Fluorimetry 883
Fluorometric-enzymatic 343
Flurazepam 333
Food analysis 475
Formaldehyde 317, 375
Free radicals 595

Fungicides 461

Gallic acid 307, 1067
Gallium 253
Gas chromatography 555, 773
Gaseous selenium 323
GFAAS 1173
Glucode 365
Glutamic acid 105
Gold 89, 253
Gradient HPLC 307
Graphite 909
Green tea 307

Haemolysis 595
Heart fatty acid-binding protein 501
Hexadecyl-pyridinium chloride 891
Hexavalent chromium 1143
High-flow 123
High-resolution 123
Homogeneous immunoassay 203
Honeycomb denuder 323
HPLC 899
H-point standard addition method 1067
H_2SO_4 1085
Human serum albumin (HSA) 667
Humic acid 999
Humic and fulvic acids 519
Humic complex 653
Hydration 617
Hydride generation AAS 741
Hydrogen peroxide 453
Hydroquinone 909
Hydroxamic acid 935
Hydroxylamine hydrochloride 1053
8-Hydroxyquinoline 1173
Hypoxanthine 365

ICP-AES 821
ICP-MS 393
ICP-OES 253
Immunosensor 501
Indium 253
Inductively coupled plasma atomic emission spectrometry 233, 1053
Inductively coupled plasma (ICP) 425
Inductively coupled plasma mass spectrometry 1143
Inductively coupled plasma–mass spectrometry 157
Influential points 721
Infrared spectra 609
Inhibition 169, 1189
Injection 899
Inorganic beryllium speciation 929
Inorganic cation detection 1161
Interaction parameters 849
Interconversion 1143
Ion-association complex 757
Ion exchange 277
Ion exchange resins 23
Ion mobility spectrometry 123, 1161
Ion selective electrode 271
Iron 653
Iron chalcogenide glass ion-selective electrode 115
Iron tetrasulfonatophthalocyanine (FeTSPc) 453
ISE 859
Isoproterenol 135
Isotope dilution 393
Isotope dilution-mass spectrometry 405
Isotope effects 701
Iterative reweighted least-squares 721

Kinetic method 1067
Kjeldahl method 1019

Lanthanide(III) complexes 545
Laser ablation 425
Laser-excited time-resolved Shpol'skii spectroscopy 1101
Laser-induced fluorescence 193
Lead 277, 751, 919
Lead determination 1155
Lead dioxide 765
Legumes 1133
Liquid chromatography 1119
Liquid-core waveguide 69
Liquid ionization mass spectrometry 667
Liquid membrane electrode 813
Luminol 53, 661, 831, 993

Magnesium isotope 701
Manganese 527
Manganese dioxide 1029
Manganese(IV) oxide 701
Mass spectrometry 1119
Matrix effects 1053
Medicine 59
Mercury 89, 461, 751
Mercury-free 565
Mesostructured tin oxide 875
Metal ion uptake 1075
Metallothionein 1211
Metallothionein isoforms 707
Metallothionein oligomerization 707
Metallothioneins 1011
Metals 45, 145
2-Methyl-8-quinolinol 213
Micellar electrokinetic capillary chromatography 223
Micellar electrokinetic chromatography (MEKC) 333
Micro-flow injection system 355
Microwave assisted-acid digestion 969
Microwave assisted-acid leaching 969
Milk 1
Modification 999
Molar volume 297
Molecular descriptors 641

Molybdenum 935
0.01 M Sodium acetate buffer 675
Multiple linear regression 641
Myocardial infarction 501
Mytilus galloprovincialis 1211

N-acetylcysteine 595
NADH 831
Natural water 1029
N-bromosuccinimide (NBS) 491
N-chlorosuccinimide (NCS) 491
Neural network 297
Neutral carrier 263
Nickel 475, 1045
Ni(III)/Ni(II) couple 1045
Nitrate 511
Nitrite 511
Nitrogen dioxide 355
1-Nitroso-2-naphthol 945

Ofloxacin 765
On-line column enrichment 751
On-line microwave digestion 741
Oolong tea 307
Operating temperature 875
Operational and long-term stability 289
Optimum conditions 23
Organic amine 1181
Organic phase biosensor 169
Organotins 31
Oscillating chemical system 105
Outliers 721
Oxine 653

Palladium 89, 675
Palladium(II) 213
Particulate matter 929
Pattern recognition 45
PC-ANN 785
PCBs 773
pCO_2 69
Pd/IrO_2 365
Peroxynitrite 883
Persimmon tannin 537
Personnel portal 123
Pesticide 169
Pharmaceutical formulations 575
1,10-Phenanthroline 187
Phenol methylenephosphonic acids 545
Phosphomolybdenum 511
Phosphorescence 795
Photochemical-fluorescence 1
Piezoelectric sensor array 1181
Plant analysis 475
Plasticizers 617
Polarography 317
Polyacrylacylaminoimidazole chelating fiber 89
Poly(acryldinitrophenylamidrazone-dinitroacrylphenylhydrazine) chelating fiber 253
Polyaniline–polyacrylonitrile composite 289
Polyanion size 519
Polyatomic interferences 1143
Polyclonal antibody 1205
Polycyclic aromatic hydrocarbons 1101
Polyphenol oxidase 289
Polyphenols 307
Polystyrene beads 203
Polytetrafluoroethylene 15, 919
Polyurethane 909
Potassium ion 869
Potentiometric stripping analysis 985
Potentiometric urease electrode 1039
Preconcentration 233, 1143, 1173, 1199
Preconcentration and separation 633
Probe 883
Protonation constants 545
Pu-erh tea 307
Purification procedure 1211
PVC 859
Pycnometric density 583

Quantitative structure–retention relationship 297
Quantitative structure-retention relationships 641

Radial basis function 297
Raman 625
Rare earth elements 821
Rat brain 365
Reactor 135
Recovery of titanium 97
Reductant 1029
Regression triplet 721
Resin extraction 383
Resonance light scattering 693
Retention indices 641
Reversed flow-injection 575
Reversed micelles 453, 1189
Rhodamine B hydrazide 883
Routine analysis 157
RP-HPLC 751
Ruthenium 253
Rutin 59

Saline matrices 233
Schiff base 813
Schiff base polymer 1075
SCN^- 859
Screen-printed carbon electrodes 565
Screen-printed electrode 501
Screen-printed electrodes 169
Seafood products 969
Sediments 145, 821
Selenium 527
Self-assembled monolayers 687

Self-assembly 1181
Sensitivity 875
Sensor 875
Separation 89, 253, 393, 1143
SERS 625
Serum 527, 1039
Serum progesterone 203
Serum sample 1205
Siderophore analogues 935
Sildenafil citrate 757
Simplex 795
Simultaneous determination 527
Simultaneous determination of Fe(II) and Fe(III) 1067
Slurry sampling 969
Sodium ion 869
Soil aeration 383
Soils 821
Solid–liquid extraction 1101
Solid-phase oxidant 765
Solid-state electrodes 263
Solvent extraction 633
Solvent sublation 891
Speciation 23, 653, 1133
Spectrofluorimetry 899
Spectrophotometric method 461
Spectrophotometry 7, 475, 511, 575, 757, 1155
Spline wavelet transform 1093
Stability constants 545
Sulfanilic acid 243
Sulfide 491
Sulfite 375
Sulphamethoxazole 1
γ-Sultone 869
Supercritical carbon dioxide 213
Surface area 875

tetra-(4-bromophenyl)-Porphyrin 751
Tetrabutylammonium bromide (TBAB) 681
Tetraglycine 375
Tetrol I-1 193
Thermal lensing 841
Thermodynamic model 849
Thiamine 661
Thiols 595
Three-phase 1085
TIMS 405
Titanium 97, 253
Total nitrogen 1019
Total reflection X-ray fuorescence of polymers 1113
Trace element 393
Trace elements 157, 969, 1029
Trace iron determination 187
Trace metals 233, 985
Transportation 97
Tricalcium aluminate 617
Trichloroethylene 271
Trichosanthin 467
1,1,1-Tris(*N*-ethyl-*N*-phenylamino-carboxylmethoxymethyl) propane 81
L-tyrosine 453

Ultrasound assisted-acid leaching 969
Uncertainty 1133
Unstirred 841
Unsymmetrical benzoN4 nickel(II) macrocyclic 859
Urea 1039
Urine 59, 899

Validation 583, 1133
Val–Tyr interchain immonium ion 667
Vanadate ion 537
Vanadium 53, 253
Vanadium adsorption 537
Vanadyl ion 537
Vegetable samples 1155
Vegetal matrices 31
Volatile compounds 555
Voltammetry 785, 1045

Wall-jet cell 985
Water analysis 653
Water sample 1205
Water samples 1173
Water-soluble polymers 7
Wine 375
Wine samples 555
Working areas 929
W–Rh permanent modifier 177

X-ray diffraction 617
X-ray scattered radiation method 1113

Zinc 277
Zinc electrowinning electrolyte 115
Zirconium 253, 807
Zn 405